

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 27.11.2023

Version: 6.0

Product: **Lauryl Methacrylate 1214 F high color (LMA 1214 F HC)**

(ID no. 30672867/SDS\_GEN\_00/EN)

Date of print 12.05.2024

## 1. Identification

### Product identifier

## Lauryl Methacrylate 1214 F high color (LMA 1214 F HC)

Chemical name: Reaction mass of dodecyl methacrylate and tetradecyl methacrylate

INDEX-Number: 607-134-00-4

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: for industrial use only

### Details of the supplier of the safety data sheet

#### Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Petrochemicals

Telephone: +49 621 60-42151

E-mail address: sds-petrochemicals@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

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Acute Tox. 5 (dermal)

Aquatic Acute 3

Aquatic Chronic 3

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System (GHS)

Signal Word:

Warning

Hazard Statement:

H313 May be harmful in contact with skin.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Response):

P302 + P312 IF ON SKIN: Call a POISON CENTER or a doctor/physician if you feel unwell.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 0 - 2 %, dermal

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 0 - 2 %, oral

### According to UN GHS criteria

Hazard determining component(s) for labelling: Dodecyl methacrylate, Tetradecyl methacrylate, Hexadecyl methacrylate, Octyl methacrylate

## Other hazards

### According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

See section 12 - Results of PBT and vPvB assessment.

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## 3. Composition/Information on Ingredients

### Substances

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Chemical nature

Reaction mass of dodecyl methacrylate and tetradecyl methacrylate

Hazardous ingredients (GHS)

According to UN GHS criteria

## Dodecyl methacrylate

Content (W/W): $\geq 68\%$ - $\leq 75\%$	Acute Tox. 5 (dermal)
CAS Number: 142-90-5	H313
EC-Number: 205-570-6	
INDEX-Number: 607-247-00-9	

## Tetradecyl methacrylate

Content (W/W): $\geq 24\%$ - $\leq 30\%$	Acute Tox. 5 (dermal)
CAS Number: 2549-53-3	H313
EC-Number: 219-835-9	
INDEX-Number: 607-134-00-4	

## Hexadecyl methacrylate

Content (W/W): $\geq 0\%$ - $< 2\%$	Acute Tox. 5 (dermal)
CAS Number: 2495-27-4	H313
EC-Number: 219-672-3	
INDEX-Number: 607-134-00-4	

## Dodecan-1-ol

Content (W/W): $\geq 0\%$ - $< 1,8\%$	Eye Dam./Irrit. 2A
CAS Number: 112-53-8	Aquatic Acute 1
EC-Number: 203-982-0	Aquatic Chronic 2
	M-factor acute: 1
	H319, H411, H400

## Octadecyl methacrylate

Content (W/W): $\geq 0\%$ - $\leq 1\%$	Acute Tox. 5 (dermal)
CAS Number: 32360-05-7	H313
EC-Number: 251-013-5	
INDEX-Number: 607-134-00-4	

## Decyl methacrylate

Content (W/W): $\geq 0\%$ - $\leq 1\%$	Skin Corr./Irrit. 3
CAS Number: 3179-47-3	Aquatic Chronic 1
EC-Number: 221-657-1	Acute Tox. 5 (dermal)
INDEX-Number: 607-134-00-4	M-factor chronic: 1
	H316, H313, H410

## Tetradecanol

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Content (W/W): $\geq 0\%$ - $< 0,7\%$	Eye Dam./Irrit. 2A
CAS Number: 112-72-1	Aquatic Chronic 1
EC-Number: 204-000-3	M-factor chronic: 1
	H319, H410

**Octyl methacrylate**

Content (W/W): $\geq 0\%$ - $< 0,5\%$	Skin Sens. 1B
CAS Number: 2157-01-9	Aquatic Acute 2
EC-Number: 218-465-5	Aquatic Chronic 3
INDEX-Number: 607-134-00-4	H317, H412, H401

For the classifications not written out in full in this section the full text can be found in section 16.

**Mixtures**

Not applicable

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**4. First-Aid Measures****Description of first aid measures**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

**Indication of any immediate medical attention and special treatment needed**

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:

water jet

Additional information:

Use extinguishing measures to suit surroundings.

### Special hazards arising from the substance or mixture

Self-polymerization if overheated in a container. Cool endangered containers with water-spray.

The product is combustible. See SDS section 7 - Handling and storage.

### Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:

Extend fire extinguishing measures to the surroundings. Fight fire from maximum distance. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

In case of a fire in the vicinity a restabilization system should be used if the temperature in the bulk storage-tank reaches 45°C. Evacuate area of all unnecessary personnel. In case of a fire in the vicinity evacuate all personnel in a greater area if the temperature in the bulk storage-tank reaches 60°C.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

### Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

### Environmental precautions

Discharge into the environment must be avoided. Collect contaminated washing water for appropriate disposal.

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**Methods and material for containment and cleaning up**

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations. Ensure adequate ventilation. Suppress gases/vapours/mists with water spray jet. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Cleaning operations should be carried out only while wearing breathing apparatus. Pick up with suitable appliance and dispose of.

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**7. Handling and Storage****Precautions for safe handling**

The substance/ product may be handled only by appropriately trained personnel. Facility parts must be checked for polymer residues and cleaned on regular basis in order to avoid hazardous reactions.

Ensure thorough ventilation of stores and work areas. Encapsulation or exhaust ventilation required. Vent waste air to atmosphere only through suitable separators. Check the condition of seals and connector screw threads.

The temperatures which must be avoided are to be considered. Protect against heat. Protect contents from the effects of light. Do not open warm or swollen product containers. Remove persons to safety and alert fire brigade.

Ensure adequate inhibitor and dissolved oxygen level.

Avoid inhalation of dusts/mists/vapours. Avoid aerosol formation. Avoid all direct contact with the substance/product.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge. It is recommended that all conductive parts of the machinery are grounded.

Heated containers should be cooled to prevent polymerization. If exposed to fire, keep containers cool by spraying with water. Emergency cooling must be provided for the eventuality of a fire in the vicinity.

**Conditions for safe storage, including any incompatibilities**

Further information on storage conditions: Prior to storage ensure that the transfer equipment used and the intended storage containers do not contain other substances/products. Before transfer to stock the identity of the product must be proved to be without doubt. The entrance to storage rooms is to be granted only to appropriately trained personnel.

The stabilizer is only effective in the presence of oxygen. Maintain contact with atmosphere containing 5 - 21% oxygen. Never use tanks with inert-gas installation for storage.

Risk of polymerization. Protect against heat. Avoid UV-light and other radiation with high energy. Protect against contamination.

In case of bulk storage, the storage-tanks should at least be equipped with two high temperature alert devices.

Even if the product is stored and handled as prescribed/indicated it should be used up within the indicated duration of storage.

Storage stability:

Storage temperature: -6 - 35 °C

Storage duration: 12 Months

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The stated storage temperature should be noted.

Avoid prolonged storage.

This product should be processed as soon as possible.

Ensure adequate inhibitor and dissolved oxygen level.

Do not store with less than 10 % headspace above liquid.

Storage stability is based upon ambient temperatures and conditions described.

It is recommended to keep a safe distance of +2 degrees above the crystallization range.

The product is stabilized, the shelf life should be noted.

### **Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## **8. Exposure Controls/Personal Protection**

### **Control parameters**

#### Components with occupational exposure limits

112-53-8: Dodecan-1-ol

112-72-1: Tetradecanol

2157-01-9: Octyl methacrylate

### **Exposure controls**

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Avoid inhalation of vapour. Avoid contact with the skin, eyes and clothing.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless to slightly yellow	
Odour:	fruity	
Odour threshold:	not determined	
pH value:	of very low solubility, not applicable	
Melting point:	-22 °C (1.013 hPa)	(OECD Guideline 102)
Boiling range:	307 - 367 °C (1.013,25 hPa)	(measured)
	The statements are based on the properties of the individual components., Literature data.	
Flash point:	160 °C	(ISO 2719, closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	hardly combustible	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	239 °C	(DIN EN ISO/IEC 80079-20-1)
Vapour pressure:	6,6 hPa (20 °C)	(measured)
	Literature data.	
Density:	0,868 g/cm <sup>3</sup> (20 °C)	
	Literature data.	
Relative density:	0,868 (20 °C)	
Relative vapour density (air):	> 1 (20 °C)	(estimated)
	Heavier than air.	
Solubility in water:	The product has not been tested. The statement has been derived from the properties of the individual components.	
	< 1 µg/l (25 °C)	
Partitioning coefficient n-octanol/water (log Kow):	8,64 (25 °C)	(calculated)
	The statements are based on the properties of the individual components.	



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Self ignition:	Based on its structural properties the product is not classified as self-igniting.	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, kinematic:	3,56 - 11,7 mm <sup>2</sup> /s (20 °C)	(measured)
	The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.	
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	(other)
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	
SADT:	Not a substance/mixture liable to self-decomposition according to GHS.	

**Other information**

pKA:	The substance does not dissociate.	
Hygroscopy:	Non-hygroscopic	
:	No data available.	
Surface tension:	Based on chemical structure, surface activity is not to be expected.	
Grain size distribution:	The substance / product is marketed or used in a non solid or granular form.	

**10. Stability and Reactivity****Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

Ignitable air mixtures can form when the product is heated above the flash point and/or when sprayed or atomized.

Polymerization coupled with heat formation.

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Risk of spontaneous polymerization by oxygen depletion of the liquid phase. Risk of spontaneous polymerization when heated or in the presence of UV radiation. Risk of spontaneous and violent self-polymerization if inhibitor is lost or product is exposed to excessive heat.

Reacts with nitric acid. Risk of spontaneous polymerization in the presence of starters for radical chain reactions (e.g. peroxides). Risk of spontaneous polymerization in the presence of oxidizing agents.

Hazardous reactions in presence of mentioned substances to avoid.

The product is stabilized against spontaneous polymerization prior to despatch. The product is stable if stored and handled as prescribed/indicated.

**Conditions to avoid**

Avoid heat. Avoid oxygen content above the product of less than 5 %. Avoid UV-light and other radiation with high energy. Avoid direct sunlight. Avoid prolonged storage. Avoid inhibitor loss. Avoid excessive temperatures.

**Incompatible materials**

Substances to avoid:

radical formers, free radical initiators, peroxides, oxidizing agents, reducing agents, strong bases, strong acids

Inert gas

**Hazardous decomposition products**

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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**11. Toxicological Information****Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Of low toxicity after short-term skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

LD50 rat (oral): > 5.000 mg/kg (OECD Guideline 401)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

(by inhalation): Study not necessary due to exposure considerations.

LD50 rabbit (dermal): > 3.000 mg/kg (other)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

The following percentage of the mixture consists of component(s) with unknown hazards regarding the acute toxicity: 0 - 2 %

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The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 0 - 2 %

#### Irritation

Assessment of irritating effects:

Not irritating to eyes and skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The European Union (EU) has classified the substance as "irritating to skin and eyes".

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: Non-sensitizing. (OECD Guideline 429)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Carcinogenicity

Assessment of carcinogenicity:

No data available concerning carcinogenic effects. The chemical structure does not suggest a specific alert for such an effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Developmental toxicity

Assessment of teratogenicity:

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No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Specific target organ toxicity (single exposure)

##### Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure. The European Union (EU) has classified the substance as "causing irritation of the respiratory tract"

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

##### Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Aspiration hazard

No aspiration hazard expected.

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## 12. Ecological Information

### Toxicity

#### Assessment of aquatic toxicity:

Harmful to aquatic life with long lasting effects. Harmful to aquatic life. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### *Information on: Tetradecanol*

##### *Assessment of aquatic toxicity:*

*Very toxic to aquatic life with long lasting effects.*

#### *Information on: Dodecan-1-ol*

##### *Assessment of aquatic toxicity:*

*The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.*

#### *Information on: Decyl methacrylate*

##### *Assessment of aquatic toxicity:*

*There is a high probability that the product is not acutely harmful to aquatic organisms. Very toxic to aquatic organisms based on long-term (chronic) toxicity study data. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.*

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### Persistence and degradability

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Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Elimination information:

88,5 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301C; ISO 9408; 92/69/EWG, C.4-F) (aerobic, activated sludge)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of stability in water:

No data available.

Study scientifically not justified.

**Bioaccumulative potential**

Assessment bioaccumulation potential:

Does not accumulate in organisms.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulation potential:

Bioconcentration factor: 37 (56 h), Brachydanio rerio (OECD Guideline 305 E)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: Study scientifically not justified.

**Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria.

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Not fulfilling vPvB (very persistent/very bioaccumulative) criteria.

**Other adverse effects**

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

**Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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**13. Disposal Considerations****Waste treatment methods**

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Dispose of in accordance with national, state and local regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

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## 14. Transport Information

### Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

RID

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

### Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

Transport in inland waterway vessel

Not evaluated

### Sea transport

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**IMDG**

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Air transport****IATA/ICAO**

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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**15. Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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**16. Other Information**

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Corr./Irrit.	Skin corrosion/irritation
Skin Sens.	Skin sensitization
H313	May be harmful in contact with skin.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.
H316	Causes mild skin irritation.
H410	Very toxic to aquatic life with long lasting effects.

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Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 27.11.2023

Version: 6.0

Product: **Lauryl Methacrylate 1214 F high color (LMA 1214 F HC)**

(ID no. 30672867/SDS\_GEN\_00/EN)

Date of print 12.05.2024

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.